

SMART CONTROL BOX

Reliable. Versatile. Safe.



Intelligent pump protection with the Smart Control Box (SCB)

The Smart Control Box (SCB) from Franklin Electric is the intelligent solution for reliable operation and comprehensive protection of single-phase and three-phase submersible and surface pumps.

Designed for demanding applications in water supply, pressure boosting, irrigation, sewage and wastewater, the SCB combines versatile protection functions with modern technology and robust design.

Your advantages at a glance:

- ✓ **Reliable protection:** Integrated protection functions such as sensorless dry-running detection, overload, under- and overvoltage protection, phase failure and direction of rotation detection ensure maximum operational reliability.
- ✓ **Flexible control:** Whether via level or pressure switches, level probes or time control – the SCB adapts to your application.
- ✓ **Intuitive operation:** Dynamic LCD display, easy switching between operating modes and automatic pump calibration
- ✓ **Robust & durable:** With an IP65-rated housing, a temperature range of -25 °C to +55 °C and wall mounting, the SCB is designed for use in the harshest conditions.
- ✓ **Easy installation:** Removable plug-in terminals and cable lengths of up to 1000 m for sensor connections facilitate integration into existing systems.

Technical Specification

- **power range:** 0.37 – 2.2 kW (1ph) | 0.55 – 15 kW (3ph)
- **motor type:**
1-phase 230V PSC motor (permanent split capacitor) /
3-phase 400V asynchronous motor
- **voltage:** 1-phase, 220/230 V | 50/60 Hz
3-phase, 380/400 V | 50/60 Hz
- **number of pumps:** 1
- **start-up procedure:** direct-on-line start (DOL)
- **ambient temperature:** -25 °C - 55 °C
- **humidity:** 20% - 90% RH, non-condensing
- **degree of protection:** IP65
- **wall mounting**

protective functions

- sensorless dry-running detection
- blocked pump/shaft
- overload protection
- undervoltage protection
- surge protection
- phase failure
- Phase reversal - Direction of rotation



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1-phase, 220/230 V | 50/60 Hz

type	model no.	pump output [kW]	description
SCB55	284 630 3512	0,37 - 0,55	SCB55-0.55-230-1PH
SCB11	284 632 3512	0,75 - 1,1	SCB11-0.75-1.1-230-1PH
SCB15	284 633 3512	1,5	SCB15-1.5-230-1PH
SCB22	284 634 3512	2,2	SCB22-2.2-230-1PH
SCB*	284 634 4612	0,37 - 2,2	SCB 0.37-2.2-230-1PH-NO CAP

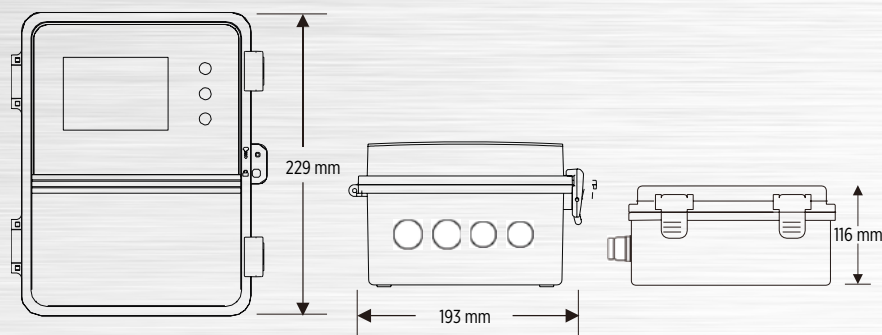
*does not contain integrated capacitor

3-phase, 380/400 V | 50/60 Hz

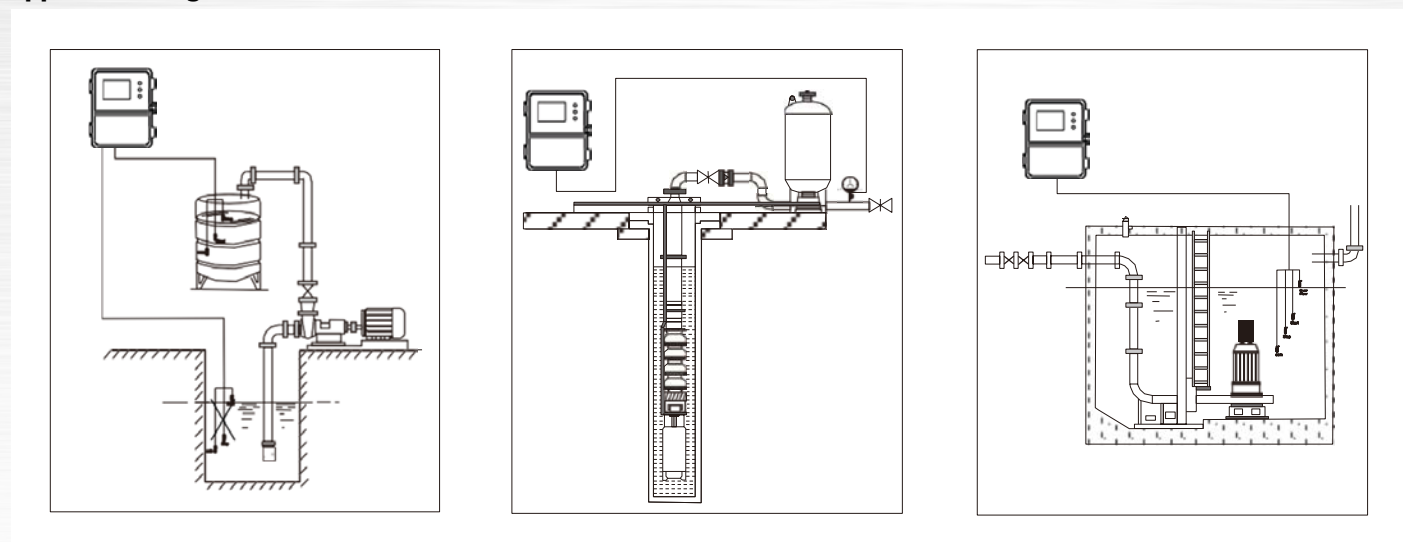
type	model no.	pump output [kW]	description
SCB340	288 520 3512	0,55 - 4,0	SCB340-0.75-4.0-400-3PH
SCB375	288 521 3512	5,5 - 7,5	SCB375-5.5-7.5-400-3PH
SCB311	288 522 3512	11	SCB311-11-400-3PH
SCB315	288 523 3512	15	SCB315-15-400-3PH

Dimensions / weight:

- Dimensions: 229 × 193 × 116 mm
- weight: 1.6 kg net / 1.8 kg gross
- Package: 270 x 200 x 120 mm



application diagram



Typical areas of application



Water transfer
& tank filling



Pressure boosting



Irrigation



Wastewater disposal